

CLAIMS

1. An ink tank arranged vertically above a printing head for used, and capable of attached to and removed from the printing head, said ink tank comprising:

a moving member for engaging with a communication member having a communication channel communicating with the printing head with an attaching operation of the said ink tank to the printing head, and being moved upward to guide the communication member into an ink storage portion of said ink tank being attached.

2. An ink tank as claimed in claim 1, wherein said moving member is moved through the inside of the ink storage portion and an out side of the ink storage portion, and the inside of the ink storage portion is sealed with said moving member and a sealing member to be air tight to the out side.

3. An ink tank as claimed in claim 1, wherein said moving member includes a first engagement section for engaging with said communication member, at an end of said moving member, and a second engagement section for engaging with an operation member for transmitting driving force for a movement of said moving member, at the other end of said moving member.

4. An ink tank as claimed in claim 1, wherein said moving member and said communication member have generally cylindrical shape with approximately the same external diameter as each other.

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5. An ink tank as claimed in claim 1, further comprising a stopper portion for limiting the upward movement of said moving member.

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6. An ink tank as claimed in claim 5, further comprising an urging-force member for urging said moving member upward, and wherein the urging force of said urging-force member allows said engaged communication member to be guided into the ink storage portion, and said stopper portion limits the upward motion of said moving member when said ink tank is not attached to the printing head.

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7. An ink tank as claimed in claim 1, wherein ink is stored in the ink storage portion.

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8. A printing head for ejecting ink supplied from an ink tank arranged vertically above said printing head, said printing head comprising:

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a communication member for engaging with a moving member of the ink tank with an attaching operation of the ink tank to said printing head, and having a communication

channel being guided into an ink storage portion of the ink tank being attached by the movement of the moving member.

5 9. An ink jet printing apparatus that uses a printing head for ejecting ink and an ink tank arranged vertically above the printing head for used, and capable of attached to and removed from the printing head, and ejects ink to a printing medium, so as to perform printing, said ink jet
10 printing apparatus comprising:

 a moving member for engaging with a communication member having a communication channel communicating with the printing head with an attaching operation of the said ink tank to the printing head, and being moved upward to
15 guide the communication member into an ink storage portion of said ink tank being attached.

 10. An ink jet printing apparatus as claimed in claim 9, further comprising an insertion port cover capable of
20 closing a insertion port for the ink tank when the ink tank is inserted for attached to the printing head, and wherein said moving member is moved in conjunction with a closing motion of the insertion port cover.

25 11. A liquid storage container capable of attached to and removed from a liquid using device, said container comprising:

a moving member for engaging with a communication member having a communication channel communicating with the liquid using device with an attaching operation of the said liquid storage container to the liquid using device,
5 and being moved upward to guide the communication member into a liquid storage portion of said liquid storage container being attached.